Dart Aerospace Ltd

W/O:		WORK ORDER CHANGE	IGES						
DATE	STEP	PROCEDURE CHANGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector		
Part No):	PAR #: Fault Category:	NCR: Yes	s No DQ	A: <u></u>	Date: _0	07/07/26		
				N/C Close		Date: _			

A	al Approval QC Inspector
Approval Chief Eng	

NOTE: Date & initial all entries

Date:

Monday, 6/18/2007 3:23:45 PM

User:

Kim Johnston

Process Sheet

Customer: CU-DAR001 Dart Helicopters Services

Drawing Name: ARMOR SHIELD

Part Number: D412664203A

Job Number: 32929

Seq. #:

Job Number:

Machine Or Operation:

Description:

6.0

QC21

FINAL INSPECTION/W/O RELEASE



INAL INSPECTION/W/O RELEASE



Comment: FINAL INSPECTION/W/O RELEASE

Job Completion



Cl 04.07.25

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W/O:		WORK ORDER CHA	WORK ORDER CHANGES									
DATE	STEP	PROCEDURE CHANGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector					
Part No	•	PAR #: Fault Category:	NCR: Yes	No DQ	A:	_ Date: _						
			QA:	N/C Close	d:	Date:						

NCR:			WORK ORD	ER NON-CONFORMAN	CE (NCR)					
		Description of NC	Corrective Action Section B			Varification Annual				
DATE	STEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date	Verification Section C	Approval Chief Eng	Approval QC Inspector		
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NOTE: Date & initial all entries



	DESIGN PH	DRAWN BY	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
i	CHECKED	APPROVED _	DRAWING NO. REV	/. A
	W. W.	#	DSI 9326 SHEET 1 0)F 1
	DATE		TITLE SC	ALE
	06.02.14		ARMOR SHIELD	NTS
	А	06.02.14	NEW ISSUE	

DART SERVICE INSTRUCTION

To further protect Dart crosstubes from mechanical damage in service, they may be treated with "Armor Shield" surface treatment.

INSTALLATION	CANADIAN STC	FAA STC
D205-596-101/-103/-105/-107	SH03-6	SR01742NY
D212-664-101/-201 D412-664-203	SH01-9	SR01298NY
D206-667-101/-103/-201/-203 D407-667-105/-205	SH01-5	SR01304NY
D058-676-101/-201	N/A	SR01018SE

To designate crosstubes with 'Armor Shield' add 'A" to the Part Number. For example, D206-667-101A is a D206-667-101 crosstube coated with Armor Shield. It is acceptable to apply the Armor Shield in regions shown in Figure 1 only. It is NOT acceptable to apply Armor Shield in the cuff and support/clamp regions.

1.0 To apply Armor Shield

- Ensure the crosstupe is appropriately finished in accordance with the relevant 1) manufacturing drawing or Instruction for Continued Airworthiness (ICA).
- Mask areas around supports and cuffs per Figure 1. Abrade paint finish in areas 2) requiring protection using 320 grit sandpaper.
- Clean/degrease surface of crosstube using Methyl Ethyl Ketone (MEK), 4105S 3) Wash'n'Wipe Degreaser, or equivalent and wipe the surface to clean the entire area Apply 3 coats of Proform PF 746 or PF 746-1 to surface
- 4) (apply additional coats when surface is dry, but not fully cured)
- Allow 5 hours for coating to dry. 5)
- Apply 2 coats of Imron 500s Polyurethane Enamel clear + Dupont Imron 6) Polyurethane Enamel Activator 192S (mix 3:1). Mix 15 minutes prior to application and allow 15 minutes before applying additional coats.

2.0 Armor Shield removal/re-application

To remove the Armor Shield coating or if damage to the coating and/or crosstube is observed during inspection.

SHOP COPY

- RETURN TO 1) Remove Armor Shield from the affected area using 80 grit sandpaper. To remove Armor Shield from larger areas, bead blasting has been determined to be the most ENGINEERING effective technique.
- Repair mechanical damage (within limits) to the crosstube and touch up finish MCONTROLLED COPY 2) **SUBJECT TO AMENDMENT** accordance with the relevant ICA.
- 3) Apply Armor Shield in accordance with Section 1.0 of these instructions.

WITHOUT NOTICE

WORK ORDE

SUPPORT (REF) ACCEPTABLE 1.50" (MIN) FROM EDGE OF SUPPORT 1.50" (MIN) FROM EDGE OF SUPPORT UP TO CUFF

DEPARTMENT OF TRANSPORT AIRCRAFT CERTIFICATION **BRANCH** DAO # 01-O-01

CANADA

APPROVED

D. SHEPHERD (DE # 02)

DATE: CERT. NO.:

06.02.14 SH03-6/SH01-9/SH01-5

ISSUE NO .:

3/3/3

ACCEPTABLE REGIONS TO BE COATED WITH ARMOR SHIELD FIGURE 1

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